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PCT		
	International Application	on No.
REQUEST	}	
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The undersigned requests that the present	١	
international application be processed according to the Patent Cooperation Treaty.	Name of receiving Off	ce and "PCT International Application"
	Applicant's or agent's (If desired) (12 charact	file reference ers maximum) 2K/2BA03/MJ/2
Box No. I TITLE OF INVENTION		
Process for the catalytic polymerization of olefir polyoletins obtained and their use	ns, a reactor system	m, its use in the process, the
• • • • • • • • • • • • • • • • • • • •	n is also inventor	
Name and address: (Family name followed by given name: for a legal su The address must include postal code and name of country. The country of Eax is the applicant's State (that is, country) of residence if no State of residen	the address indicated in this	Telephone No.
Borealis Technology Oy		Facsimile No.
P.O.Box 330		
FI-06101 Porvoo		Teleprinter No.
Finland		Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country)	 of residence:
Finland (FI)	Finland (FI)	· · · · · · · · · · · · · · · · · · ·
This person is applicant all designated for the purposes of:	d States except States of America	the United States of America only the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)	
Name and address: (Fumlly name followed by given name; for a legal en The address must include postal code and name of country. The country of	tity, full official dexignation. the address indicated in this	This person is:
Box is the applicant's State (that is, country) of residence if no State of reside.	nce is indicated below.)	applicant only
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Weickert, Gunter		V ann\iant and insumtor
Muhlenweg 31		applicant and inventor
Muhlenweg 31 D-48683 Ahaus		applicant and inventor inventor only (If this check-hax is marked, do not fill in below.)
Muhlenweg 31		inventor only (If this check-bax is
Muhlenweg 31 D-48683 Ahaus		inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality:	State (that is, country,	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence:
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE)	Germany (DE	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence:
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant all designated all designated for the purposes of:	Germany (DE	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence:
Muhlenweg 31 D-48683 Ahaus Germany State (that is. country) of nationality: Germany (DE) This person is applicant 311 designated 311 de	Germany (DE	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States the States indicated in
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant all designated all designated for the purposes of:	Germany (DE	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the Supplemental Box
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant and/or (further) inventors are indicated Box No. IV AGENT OR COMMON REPRESENTATIVE The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie	Germany (DE ed States except States of America on a continuation sheet. E; OR ADDRESS FOR on behalf s as:	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the Supplemental Box CORRESPONDENCE agent common representative
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant all designated all designate for the purposes of: X Further applicants and/or (further) inventors are indicated Box No. IV AGENT OR COMMON REPRESENTATIVE The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of	Germany (DE ed States except States of America on a continuation sheet. E; OR ADDRESS FOR on behalf s as: tity, full official designation.	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the Supplemental Box CORRESPONDENCE agent common representative Telephone No. +31 70 365 4833
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant all designated all designate for the purposes of: X Further applicants and/or (further) inventors are indicated Box No. IV AGENT OR COMMON REPRESENTATIVE The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of Prins, Hendrik Willem	Germany (DE ed States except States of America on a continuation sheet. E; OR ADDRESS FOR on behalf s as: tity, full official designation.	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the Supplemental Box CORRESPONDENCE agent common representative Telephone No. +31 70 365 4833 Facsimile No.
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant for the purposes of: X states all designated all designated the United States Further applicants and/or (further) inventors are indicated Box No. IV AGENT OR COMMON REPRESENTATIVE The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of Prins, Hendrik Willem Arnold & Siedsma	Germany (DE ed States except States of America on a continuation sheet. E; OR ADDRESS FOR on behalf s as: tity, full official designation.	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the States indicated in of America only the Supplemental Box CORRESPONDENCE agent common representative Telephone No. +31 70 365 4833 Facsimite No. +31 70 345 2140
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant for the purposes of: In all designated the United States Further applicants and/or (further) inventors are indicated Box No. IV AGENT OR COMMON REPRESENTATIVE The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of Prins, Hendrik Willem Arnold & Siedsma Sweelinckplein 1	Germany (DE ed States except States of America on a continuation sheet. E; OR ADDRESS FOR on behalf s as: tity, full official designation.	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the Supplemental Box CORRESPONDENCE agent common representative Telephone No. +31 70 365 4833 Facsimile No.
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant for the purposes of: In all designated the United States Further applicants and/or (further) inventors are indicated Box No. IV ACENT OR COMMON REPRESENTATIVE The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authoritie Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of Prins, Hendrik Willem Arnold & Siedsma Sweelinckplein 1 NL-2517 GK The Hague	Germany (DE ed States except States of America on a continuation sheet. E; OR ADDRESS FOR on behalf s as: tity, full official designation.	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the Supplemental Box CORRESPONDENCE agent common representative Telephone No. +31 70 365 4833 Facsimite No. +31 70 345 2140 Teleprinter No.
Muhlenweg 31 D-48683 Ahaus Germany State (that is, country) of nationality: Germany (DE) This person is applicant for the purposes of: In all designated the United States Further applicants and/or (further) inventors are indicated Box No. IV AGENT OR COMMON REPRESENTATIVE The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities Name and address: (Family name followed by given name; for a legal en The address must include postal code and name of Prins, Hendrik Willem Arnold & Siedsma Sweelinckplein 1	Germany (DE ed States except States of America on a continuation sheet. E; OR ADDRESS FOR on behalf s as: tity, full official designation.	inventor only (If this check-hax is marked, do not fill in below.) Applicant's registration No. with the Office of residence: the United States of America only the States indicated in of America only the Supplemental Box CORRESPONDENCE agent common representative Telephone No. +31 70 365 4833 Facsimite No. +31 70 345 2140

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Continuation of Box No. III FURTHER APPLICANT(S) A	ND/OR (FURTHER)	INVENTOR(S)
If none of the following sub-hoxes is used, this sheet should not	be included in the reg	uest.
Name and address: (Family name followed by given name; for a legal enting The address must include postal code and name of country. The country of the Bux is the applicant's State (that is, country) of residence if no State of residence Gustafsson, Bill Benjamin Rudolf Dragonvägen 8 SE-444 41 Stenungsund Sweden	e address indicated in this	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: Sweden (SE)	State (that is, country, Sweden (SE)) of residence:
This person is applicant all designated all designated for the purposes of:	States except X	the United States of America only the Supplemental Box
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State (that is, country) of nationality:	State (that is, country	o) of residence:
This person is applicant all designated all designated for the purposes of: States all designated the United St	d States except	the United States the States indicated in the Supplemental Box
Name and address: (Fumlly name followed by given name; for a legal entit The address must include postal code and name of country. The country of th Box is the applicant's State (that is, country) of residence if no State of resident	ty, full official destgnation, he address indicated in this ce is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
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This person is applicant all designated all designate for the purposes of:	d States except tates of America	the United States the States indicated in the Supplemental Box
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Further applicants and/or (further) inventors are indicated	on another continuation	on sheet.

Sheet	Na	3	

Bux No. V DESIGNAT	TIONS			,
The filing of this request confiling date, for the grant of e	istitutes under Rule 4.9(a), () very kind of protection avails	ne designation of all Contr ble and, where applicable.	racting States bound by the	ne PCT on the international gional and national patents.
However,				
DE Germany is not d	esignated for any kind of nation	onal protection		
KR Republic of Kores	a is not designated for any kir	nd of national protection		
RU Russian Federation	on is not designated for any ki	ind of national protection		
i the national law, of an earlie	be used to exclude (Irrevocab) or national application from w or in these and certain other St	hich priority is claimed. S	rned in order to avoid the see the Notes to Box No. V	ceasing of the effect, under Vas to the consequences of
Box No. VI PRIORITY	CLAIM			
The priority of the following	carlier application(s) is hereb	y claimed:		
Filing date	Number	V	Where earlier application	is:
of carlier application (day/month/year)	of carlier application	national application: country or Member of WTO	regional application:* regional Office	International application: receiving Office
item (1) 6 June 2003 (06-06-2003)	2003076791.7		EPO	
item (2)				
item (3)				
Further priority claims	are indicated in the Supplemen	ntal Box.		
The receiving Office is reque the earlier application was fi above as:	ested to prepare and transmit to led with the Office which for th	o the International Bureau he purposes of this internat	a certified copy of the cutional application is the r	rlier application(s) (only if ecceiving Office) identified
all items ite	em (1)	item (3)	other, se	ee Supplemental Box
* Where the earlier applicati Industrial Property or one M	on is an ARIPO application, in ember of the World Trade Or	dicate at least one country	nariy to the Paris Conve	ention for the Protection of
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Box No. VII INTERNAT	TONAL SEARCHING AUT	HORITY		
internutional search, indicate	arching Authority (ISA) (if no the Authority chosen; the two-	vo or more International S letter code may be used):	earching Authorities are	competent to carry out the
ISA / EP	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	
Request to use results of ea International Searching Author	rlier scarch; reference to the	at search (if an earlier se	earch has been carried ou	it by or requested from the
Date (day/month/yeur)	Numb	er Coun	try (or regional Office)	
3 November 2003		Е	PO	
Box No. VIII DECLARA	TIONS	·		
The following declarations check-hoxes below and indice	ure contained in Boxes Nos. Vate in the right column the num	VIII (i) to (v) (mark the ap ber of each type of declara	pplicable ulon):	Number of declarations
Box No. VIII (i)	Declaration as to the identify	of the inventor		:
Box No. VIII (ii)	Declaration as to the applic date, to apply for and be gre		international filing	:
Box No. VIII (iii)	Declaration as to the applicate, to claim the priority of	cant's entitlement, as at the	ne international filing	:
Box No. VIII (iv)	Declaration of inventorship United States of America)	(only for the purposes of	the designation of the	:
Box No. VIII (v)	Declaration as to non-proju-	dicial disclosures or excep	ptions to lack of novelty	:

Sheet	Nia	4	
SHEEL	INU.		

This international application contains:	This international application is accompanied by the following	Numb
(a) In paper form, the following number of sheets:	item(s) (mark the applicable check-boxes below and Indicate in right column the number of each item):	ofiten
request (including	1. 🔀 fee calculation sheet	:
declaration sheets) : 4	2. Original separate power of aπomey	. :
description (excluding sequence listing and/or	3. original general power of attorney	:
tubles related thereto) : 23	4. copy of general power of attorney; reference number, if any:	
claims : 7	5. statement explaining lack of signature	
abstract : 1	6. Dipriority document(s) identified in Box No. VI as	•
drawings : 4 Sub-total number of sheets : 39	item(s): 7. translation of international application into	. :
sequence listing :	(language):	. :
tables related thereto : (for both, uctual number of	8. separate indications concerning deposited microorganism or other biological material	:
sheets if filed in paper form, whether or not also filed in	9. sequence listing in computer readable form (indicate type and number of carriers)	·
computer readable form: see (c) below)	(i) copy submitted for the purposes of international search under Rule 13 ter only (and not us part of the international applies	ler tion) :
Total number of sheets: 39 b) only in computer readable form	(ii) (only where check-hox (b)(i) or (e)(i) is marked in left column, additional copies including, where applicable, the copy for)
(Section SOI(a)(i)) (i) sequence listing	purposes of international search under Rule 13ter (iii) together with relevant statement as to the identity of the co	:
(ii) tables related thereto	copies with the sequence listing mentioned in left column 10. tables in computer readable form related to sequence listing	;
c) also in computer readable form (Section 801(a)(ii))	(indicate type and number of carriers)	
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Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the	(ii) (only where check-box (b) (li) or (c) (ii) is marked in left column additional copies including, where applicable, the copy for purposes of international search under Section 802(b-quat	n) the
sequence listing:	(iii) together with relevant statement as to the identity of the co	
Inbles related theteto:	copies with the tables mentioned in left column 11. So other (specify): .additionalsheet	. :
Figure of the drawings which hould accompany the abstract:	Language of filing of the international application: English	
Box No. X SIGNATURE OF APPLICAN	IT, AGENT OR COMMON REPRESENTATIVE gring and the capacity in which the person signs (if such capacity is not obvious from rec	dive the recen
Prigs, Hendrik Willem		
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Corrected date of actual receipt due to later timely received papers or drawings complet the purported international application:	but ing	received:
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corrections under PCT Article 11(2):	until search foc is paid	
5. International Searching Authority		